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UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Marketing Service

cooperating with

IOWA DEPARTMENT OF AGRICULTURE
Division of Agricultural Statistics

assisted by

Iowa State College Extension Service

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IOWA AGRICULTURAL STATISTICS

WARREN COUNTY



* * *

County Statistical Bulletin

No. 10

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Office of the Agricultural Statistician
305 United States Court House
Des Moines, Iowa

IOWA CROP AND LIVESTOCK REPORTING SERVICE
Division of Agricultural Statistics
Leslie M. Carl, Director

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IOWA STATE COLLEGE EXTENSION SERVICE
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AGRICULTURAL STATISTICS - WARREN COUNTY

County Statistical Bulletin No. 10

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FOREWORD

The Iowa Crop and Livestock Reporting Service is the Iowa unit of a nation-wide organization which is entrusted with the responsibility of operating a standard statistical service for agriculture. The Division of Agricultural Statistics is a division of the Iowa State Department of Agriculture working in cooperation with the Agricultural Marketing Service of the United States Department of Agriculture. The year 1939 marked the one-hundredth anniversary of the collection of statistics of agriculture in the United States.

The general program of the Iowa Crop and Livestock Reporting Service is to meet the public needs and demands for summary data of a historical nature and for current statistical information of agricultural production in Iowa and the United States.

In recent years, there has been an increasing demand from agricultural organizations, commercial interests, teachers, legislators, and county, state and governmental agencies for agricultural data showing the trends of change in counties. Little has been done in the past to make available data for each county over an extended period of time. So urgent is the need for county data that some organizations have assembled such information at considerable cost. It is in response to these needs that this series is being issued.

The county data herein offered have been assembled from existing State and Federal documents and reports, under the supervision of Norman V. Strand, State-wide Work Projects Administration Supervisor of Agricultural Economics and Statistics projects. This is a report of work completed on Official Project 65-1-72-155 of the Work Projects Administration. Official Project 665-72-3-36 furnished the material for Tables 25 and 27.

The Iowa Agricultural Extension Service participated in the preparation of the materials in this report. Selected data from the files of the Iowa Agricultural Experiment Station have been released for publication in this series. Special credit is given to the Iowa assessors and tax officials who collect data on crops and livestock as required under the Iowa laws. Without these data by townships and counties detailed agricultural statistics would be less accurate and less complete.

Leslie M. Carl, Director
Division of Agricultural Statistics

Des Moines, Iowa
July, 1940

IOWA AGRICULTURAL STATISTICS - WARREN COUNTY

Warren County was at first embraced in the original Des Moines County, but by the terms of the Indian treaty which became operative October 11, 1845, it was thrown open as public land. Prior to the extinguishment of the Indian title, settlement in this region was prohibited except by special permission from the Commanding Officer at Fort Des Moines. This privilege was granted to John D. Parmalee in 1843 who built a saw mill on Middle River to supply lumber for the buildings at the fort. He was the first settler of record in what is now Warren County. A few others were allowed to take up residence in this area with the understanding that no permanent title improvements were to be made. Among them was William Mason who located about two miles north of the present site of Palmyra. 1/

The county was legally established in 1846 and formally organized in 1849. The county was named in honor of General Joseph Warren who was killed at the battle of Bunker Hill. Indianola was chosen as the seat of government of the county when it was organized and named, presumably, by a party of surveyors working at that section of the county for a town in Texas of the same name. 2/

A railroad to connect Fort Des Moines and Indianola had been urged since 1853 but it was not until late in October, 1871 that the C.R.I. and P. completed its track to Indianola and the first train reached that place. 3/ Railroads soon were built through other sections of the county and this region was opened to the outside world. Coal was discovered and a number of mines were opened. In 1937, the fifteen mines operating produced a total of 107,200 tons of coal. 4/

Area

Warren County is approximately 24 miles each way and contains 570 square miles. 5/ The total acreage is 364,800 of which 349,568 is listed as farm lands. 6/ There are 17 civil townships of varying size, Lincoln being the largest. In point of size it ranks 33 in the State sharing this place with three other counties of the same size--Cedar, Hamilton and Hancock.

Soils

The soils of Warren County are grouped into four classes according to their origin and location; namely, drift, loess, terrace and swamp and bot-

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- 1/ Andreas, A.T. Historical Atlas of Iowa. Andreas Atlas Co., Chicago, Illinois. 1874. p. 383.
2/ Rev. W. C. Martin, D.D. History of Warren County Iowa. S. J. Clarke Publishing Co., Des Moines, Iowa. 1908. p. 121.
3/ History of Warren County. Union Historical Co., Des Moines, Iowa. 1879. p. 383.
4/ Iowa State Mine Inspector's Report. Des Moines, Iowa. p. 7.
5/ Fifteenth Census of the U.S. 1930. Population. Vol. I. pp. 362-363.
6/ United States Census of Agriculture. 1935. Iowa. p. 17.

tom land. The drift soils cover 37.4 per cent of the surface and are divided into the Shelby loams--30.0 per cent; the Carrington loams--5.8 per cent; Carrington fine sand--0.1 per cent and Lindley silt loam--1.5 per cent. The loess soils cover 44.8 per cent of the area and are divided into the Tama silt loams--25.1 per cent; Grundy silt loam--11.1 per cent; Muscatine silt loam--5.9 per cent and Clinton silt loam--2.7 per cent. The terrace soils cover but three per cent of the surface and are divided into eight types--all of very small area. The swamp and bottom land soils cover 14.8 per cent of the county and are divided into the Wabash loams--14.1 per cent; the Sarpy loams--0.6 per cent and Genesee silt loam--0.1 per cent. 7/

Topography

The surface of Warren County in general varies from level to undulating, through strongly rolling to hilly plains, and in some places to rough sections. The majority of the northern half is smoothly rolling with gentle slopes leading to occasional rounded hills. In this section the stream and river valleys are wider with gradual ascents rising from the bottom lands to the general level of the plains. The southern and eastern parts offer some rather strong contrasts. The areas between the streams are less extensive and they change abruptly into rough, eroded surfaces bordering most of the streams and drainageways. There are exceptions near Milo and Liberty Center where extensive sections of level and gently undulating lands are found.

Along the southeastern slopes of Middle and South Rivers bluffs skirt the valleys with the surrounding hills higher and steeper than in the north and northwest. The general slope is towards the northeast. The main drainage of the county is afforded by the North, Middle and South Rivers which all empty into the Des Moines River. 8/

Climate

The average temperature of this county, from 1897 to 1930, was 50 degrees, the average precipitation, from 1875 to 1924, was 32.71 inches and the growing season, from 1892 to 1930, was 165 days between the average killing frosts dates of April 26 and October 8. 9/

Population

The population of Warren County grew amazingly during the first decade after its organization and continued a strong growth until the year 1900, when the county, in common with most of the other counties of the State, started to decline--the number of inhabitants dropping from 20,376 in that year to 17,700 in 1930.

The density of its population is 31 per square mile as compared with the State density of 44.

7/ Soil Survey of Iowa. Warren County, #62. October, 1930. Iowa Agricultural Experiment Station, Ames, Iowa. p. 10-11-12.

8/ Ibid. pp. 10-11.

9/ Climatic Summary of the U. S. #51. Central Iowa. pp. 18,12,19.

The following table shows the enumeration of the various census years:

<u>Year</u>	<u>Inhabitants</u>	<u>Town</u>	<u>Rural</u>
1850	961	-	-
1860	10,281	-	-
1870	17,980	-	-
1880	19,578	-	-
1890	18,269	-	-
1900	20,376	5,316	16,060
1910	18,194	5,955	12,239
1920	18,047 <u>10/</u>	6,981 <u>11/</u>	11,066
1930	17,700	6,783 <u>12/</u>	10,917
1935	-	-	10,467 <u>13/</u>

The percentage of foreign born and native white of foreign born and mixed parentage in this county is very low--only 9.4 per cent of the total. Of these the Germans lead with 592, the English come next with 289 and the Irish have 249. Other nationalities are represented by very small numbers. 14/

Cooperatives

In 1937 there were three cooperative institutions in operation in this county--two petroleum plants and one livestock enterprise.

As a whole they had 682 members of which 500 were active, and 1,115 persons did business with the three concerns. The selling cooperatives had a business volume of \$37,676 and the purchasing cooperatives did \$90,955 worth of business.

Cooperatives may both buy and sell or they may perform one or the other function exclusively. Purchasing cooperatives buy non-farm commodities for distribution to their members and patrons, and selling cooperatives market farm commodities for their members and patrons. 15/

Fruit

Apples have been a staple fruit crop of this county for years. The largest number of trees were reported in 1884. The record showed 127,714 trees for that year but the largest yield, 149,514 bushels, was listed in 1909. Twenty-two thousand nine hundred twenty-nine peach trees were reported in 1909 and 5,228 bushels of peaches were produced in 1934. These are the years of greatest numbers and greatest production, respectively. Plums showed the largest listing, both in number and production, in 1909--26,484 trees and 4,596 bushels being reported. The same year cherries had a listing of 17,050 trees and 6,660 bushels, the largest number recorded.

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- 10/ Census of Iowa. 1925. pp. 708-709.
11/ Ibid. p. 925.
12/ Iowa Official Register. 1937-1938. p. 368 et seq.
13/ United States Census of Agriculture. Iowa. 1935. p. 17.
14/ Fifteenth Census of the U.S. Populations. 1930. Vol. III. Part I. Tables 18 and 19. pp. 785-86-87-88.
15/ Unpublished Data. Omaha Farm Credit Administration and Iowa State College.

Grapes were largest both in vines and production in 1884--45,120 vines and 315,593 pounds were reported that year. 16/

16/ State Census Reports for 1874-84-94 and Federal Census Reports for 1909 and 1934.

Note Regarding Yields of Corn.

The crop assessors' statistical breakdown for corn acreage is as follows: (1) all corn, (2) corn husked for grain, (3) corn cut for silage, (4) corn cut for fodder and (5) corn hogged off. A total production is given for each farm which includes only that actually husked. In getting county totals of production the acreage other than that husked is multiplied by the yield (derived by dividing total bushels corn husked by total acres husked) and added to summations of individual farm productions shown as husked. This assumes that acreage not husked would have produced the same yield as that actually husked.

In 1934 and 1936, both poor crop years, separate estimations of corn yield on acreage not husked were made by the state assessors' office because it was felt that farmers in those years would select their best acreages for husking and cut or hog off the rest, which would have a different and lower yield. This separate yield estimation was then multiplied by the acreage not husked and the total added to that reported as husked.

This was done by counties only and not by townships. The township yields for these two years then, are somewhat high since they are based on acreage husked for grain and bushels husked, only. The total corn acreage is shown by township with this yield and any attempt to multiply it by the acreage shown to get total production will result in a too high figure. The county summary table figures for corn yield in 1934 and 1936 have been adjusted for poorer yields on that acreage not husked and these yields may legitimately be multiplied by the acreages shown there to arrive at total productions for the county.

In all other years actual township productions may be derived from the yield and acreage figures shown in the tables since corn yield has been assumed to be equal in all utilizations. The county yield and township yields are therefore consistent in all years except 1934 and 1936.

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Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WIN. WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	2340	344673	147	90055	37	34138	29	18516	18	3120	21
1930	2388	346023	145	94934	29	39694	33	16571	20	2664	24
1931	2398	346366	144	102500	40	37091	34	10742	21	2732	25
1932	2334	345385	148	103510	42	33952	33	6342	17	2479	22
1933	2409	348710	145	97899	43	40778	16	7150	18	2001	12
1934	2406	351472	146	76112	2	2960	4	11963	9	35	4
1935	2356	347722	148	73791	37	25500	30	12276	14	280	26
1936	2326	346729	149	91798	15	33463	21	13520	19	212	15
1937	2303	347712	151	88467	45	32373	44	25454	15	340	28
1938	2304	347239	151	88116	37	34807	33	16267	17	260	22
10 Yr. Ave.	2356	347253	147	90718	33	31976	30	13880	17	1412	21
Year	RYE		SOYBEANS		GRASS SEED			TAME HAY			
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres		
1929	576	12	247	11	948	4564	8	4826	35663		
1930	418	14	302	11	699	778	-	4463	31995		
1931	301	17	322	19	1705	1081	-	4478	30582		
1932	203	14	371	18	979	3095	20	4251	34849		
1933	278	15	658	19	327	3333	25	5101	41348		
1934	535	6	1492	8	-	327	33	5577	23989		
1935	3399	13	1491	13	4018	78	10	7297	31527		
1936	1493	13	1535	16	1798	196	94	7171	34440		
1937	2989	17	2028	18	2036	-	27	5882	23584		
1938	1464	13	4022	19	1356	3316	220	3401	30034		
10 Yr. Ave.	1166	14	1247	16	1387	1677	44	5245	31801		
Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots, Highways Acres	Wood Lots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres				
1929	270	132661	401	16501	3528	5850	2191				
1930	216	131914	400	15014	5048	4981	1173				
1931	212	133051	417	15466	4782	5437	1026				
1932	238	129388	696	15985	4499	5654	1720				
1933	427	126420	1267	15981	5967	5810	2374				
1934	242	162411	919	15751	3441	6571	45018				
1935	398	140676	1303	15825	2982	6775	27471				
1936	286	135108	740	16445	2169	5778	7850				
1937	289	136051	1865	16041	2685	6359	7124				
1938	304	136944	1604	15941	2588	7494	5818				
10 Yr. Ave.	288	136462	961	15895	3769	6071	10176				

10 Yr. Ave. Acres - Spring Wheat 30
Popcorn 14 Flaxseed 24
(Acreages also shown in "All Other Cr

*Included in "All Tame Hay."

Source: Iowa Department of Agriculture.

Division of Agricultural Statistics.

TABLE 2
ACREAGE AND YIELDS OF HAY
County Summary

Year	Mixed Clover & Timothy		Alfalfa		Wild Hay		All Tame Hay	
	Acres	Tons per Acre	Acres	Tons per Acre	Acres	Tons per Acre	Acres	Tons per Acre
1929	11346	1.73	4826	3.37	270	2.00	35663	2.13
1930	12397	1.41	4463	2.55	216	1.50	31995	1.51
1931	7138	1.20	4478	1.98	212	1.05	30582	1.14
1932	7612	1.43	4251	2.42	238	1.34	34849	1.38
1933	32370	0.73	5101	1.89	427	0.42	41348	0.88
1934	9432	0.28	5577	1.25	242	0.25	23989	0.71
1935	10152	1.15	7297	2.36	398	1.00	31527	1.61
1936	20903	0.90	7171	1.55	286	1.10	34440	1.03
1937	8606	0.95	5882	1.34	289	1.10	23584	1.12
1938	16035	1.20	3401	2.40	304	1.00	30034	1.32
10 Yr. Ave.	13599	1.10	5245	2.11	288	1.08	31801	1.28

Source: Division of Agricultural Statistics.
Iowa Department of Agriculture.

TABLE 3
LAND UTILIZATION AND YIELDS

Allen Township

Year	No. Farms	Acreages in Farms	Ave. Farm Size	CORN		OATS		WIN. WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	74	10389	140	2953	39	900	32	1016	21	135	26
1930	75	10525	140	3055	32	1133	34	976	22	60	25
1931	70	10469	150	3289	36	1038	34	656	21	128	16
1932	83	10232	123	3485	45	1142	33	532	20	180	29
1933	81	10282	127	2900	43	1250	17	559	21	321	15
1934	81	10703	132	2378	11	211	3	813	9	-	-
1935	75	10108	135	2537	44	899	37	812	19	70	37
1936	69	9751	141	3007	23	904	22	903	21	82	14
1937	62	10637	172	2764	58	1020	45	1419	21	52	38
1938	67	10693	160	3005	45	871	38	1140	21	36	17
10 Yr. Ave.	74	10579	141	2938	40	937	32	881	20	106	22

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Cto. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	-	-	-	-	-	47	-	42	802
1930	-	-	-	-	-	-	-	43	687
1931	5	11	-	-	-	-	-	119	850
1932	5	23	10	27	-	-	-	114	832
1933	-	-	8	18	-	-	-	192	1178
1934	6	13	72	4	-	-	-	340	953
1935	110	15	72	22	28	-	-	267	890
1936	71	16	56	16	23	95	15	323	1117
1937	39	21	68	21	-	-	-	229	738
1938	16	23	73	18	7	-	47	168	1264
10 Yr. Ave.	25	17	36	17	6	14	6	184	931

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots, Highways Acres	Wood Lots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	-	3945	1	509	20	5	100
1930	-	4170	20	404	-	20	-
1931	-	3917	29	517	-	40	-
1932	-	3523	2	475	20	-	26
1933	-	3310	86	438	67	135	-
1934	-	4043	97	452	46	124	1503
1935	-	3751	80	370	123	57	309
1936	-	2808	61	365	58	203	73
1937	-	3963	72	323	32	123	24
1938	-	3661	3	327	166	-	77
10 Yr. Ave.	0	3709	45	423	53	71	212

10 Yr. Ave. Acres - Spring Wheat 0

*Included in "All Tame Hay".

Flaxseed 3 Popcorn .5 Source: Iowa Department of Agriculture

(Acreages also shown in "All Other Crops")

Division of Agricultural Statistics.

TABLE 4
LAND UTILIZATION AND YIELDS

Belmont Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WIN. WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	153	22678	148	7303	38	2992	32	750	19	149	22
1930	151	22504	149	7254	29	3723	36	634	20	229	23
1931	152	22596	149	7459	41	3351	38	456	19	130	26
1932	163	22816	140	7534	43	3314	36	246	16	30	35
1933	157	22329	142	7402	45	3178	22	311	20	31	16
1934	158	22389	142	5429	-	20	8	622	8	-	-
1935	151	22030	146	5686	37	1967	30	635	13	4	12
1936	156	22153	142	6821	14	2796	25	770	19	17	20
1937	149	22605	152	6473	48	2689	51	1799	14	30	23
1938	164	22604	138	6636	38	2593	37	670	17	41	27
10 Yr. Ave.	155	22470	145	6800	38	2662	34	689	16	66	24
Year	RYE		SOYBEANS		GRASS SEED			TAME HAY			
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clover Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres		
1929	30	13	39	12	172	696	-	42	2303		
1930	-	-	18	12	196	112	-	64	1993		
1931	14	21	58	27	170	259	-	112	2150		
1932	6	8	60	19	82	440	-	90	2607		
1933	20	16	126	27	15	495	-	106	2880		
1934	11	18	191	11	-	-	-	95	611		
1935	533	11	167	12	115	-	-	114	2197		
1936	194	14	432	19	243	26	-	121	2216		
1937	389	16	441	20	319	-	2	75	1312		
1938	129	11	949	21	278	550	15	63	1840		
10 Yr. Ave.	133	13	248	19	159	258	2	88	2011		
Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots, Highways, Acres	Wood Lots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres				
1929	-	7515	4	1258	-	133	30				
1930	3	7125	-	1256	32	32	9				
1931	-	7362	4	1230	69	124	19				
1932	-	7063	-	1331	29	506	8				
1933	-	6890	8	1111	13	256	88				
1934	-	8420	-	1128	-	122	5835				
1935	-	8827	3	1146	-	13	737				
1936	2	7204	34	1208	-	103	113				
1937	-	7234	123	1247	2	281	264				
1938	2	7306	79	1219	39	465	343				
10 Yr. Ave.	1	7495	26	1213	18	204	745				

10 Yr. Ave. Acres - Spring Wheat 1

*Included in "All Tame Hay".

Popcorn 0 Flaxseed 0

Source: Iowa Department of Agriculture.

(Acreages also shown in "All Other Crops")

Division of Agricultural Statistics.

TABLE 5
LAND UTILIZATION AND YIELDS

11

Greenfield Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WINTER WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	179	23392	131	6306	40	2015	30	2199	20	267	22
1930	172	23640	137	6862	32	2418	32	2069	22	148	26
1931	173	23502	136	7152	43	2163	36	1666	24	194	32
1932	164	22353	136	7404	46	2724	37	818	21	212	26
1933	175	24253	139	7311	49	2649	18	1158	19	211	15
1934	176	23582	134	5786	5	20	6	1460	11	-	-
1935	167	24086	144	5586	40	2044	30	1345	14	23	31
1936	168	24014	143	6681	17	2073	23	1523	18	30	16
1937	168	24052	143	6519	51	1985	47	2336	14	-	-
1938	165	24004	145	6495	40	2006	32	1784	18	-	-
10 Yr. Ave.	171	23688	139	6610	40	2010	32	1636	18	108	24

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres *	Red & Als. Clo. Acres *	Sweet Clover Acres	Alfalfa Acres	All Tame Hay Acres
1929	-	-	20	12	-	391	-	601	2292
1930	12	17	12	14	-	52	-	469	1976
1931	10	18	5	22	-	30	-	472	1952
1932	-	-	-	-	8	336	-	465	1751
1933	12	19	33	19	-	12	-	565	2524
1934	10	6	5	10	-	-	10	621	1934
1935	158	19	48	15	18	-	-	692	2281
1936	69	14	58	15	18	-	-	691	1927
1937	90	17	46	20	-	-	25	515	1398
1938	24	18	214	21	-	35	26	271	1817
10 Yr. Ave.	38	17	44	18	4	56	6	536	1985

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs. Feed Lots, Highways Acres	Wood Lots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	12	7705	92	1195	417	256	616
1930	-	7928	95	1013	754	252	101
1931	9	8121	80	1085	684	242	139
1932	7	7742	67	965	276	278	101
1933	27	8307	247	1016	239	383	136
1934	35	10627	119	999	167	301	2109
1935	46	9585	72	996	211	340	1333
1936	2	9735	50	1007	146	310	385
1937	23	9700	45	1006	256	211	412
1938	26	9544	70	952	352	325	369
10 Yr. Ave.	19	8899	94	1023	350	290	570

10 Yr. Ave. Acres - Spring Wheat 6

*Included in "All Tame Hay."

Popcorn .1 Flaxseed 0

Source: Iowa Department of Agriculture.

(Acreages also shown in "All Other Crops.") Division of Agricultural Statistics.

TABLE 6
LAND UTILIZATION AND YIELDS

Jackson Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WIN. WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	139	21681	156	5159	30	1552	18	1185	16	143	17
1930	150	21461	143	6335	25	2312	28	1334	19	332	24
1931	141	21171	150	6462	37	2054	34	490	22	183	27
1932	143	21017	147	6431	36	2277	27	362	12	289	19
1933	152	21391	141	6278	39	2311	11	426	16	87	9
1934	149	21442	144	4951	5	304	4	663	10	-	-
1935	141	20508	145	4094	32	1267	2	535	12	-	-
1936	138	20035	145	5502	11	1478	16	768	15	3	17
1937	137	19637	143	5044	40	1755	37	1309	11	-	-
1938	137	20128	147	5406	31	1868	27	820	13	-	-
10 Yr. Ave.	143	20847	146	5566	32	1718	25	789	15	104	21

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red &	Sweet	Alfalfa Acres*	All Tame Hay Acres
						Als. Clo.	Clover		
						Acres*	Acres		
1929	223	10	-	-	-	267	-	158	1865
1930	116	10	-	-	2	24	-	199	1684
1931	68	10	-	-	16	171	-	194	1727
1932	4	10	-	-	13	434	-	157	2014
1933	3	18	26	18	-	125	-	185	2481
1934	28	1	66	5	-	29	-	71	678
1935	56	16	12	13	63	-	-	307	1796
1936	105	7	13	16	-	-	-	255	1981
1937	44	14	17	11	62	-	-	155	1269
1938	79	10	60	15	19	190	2	101	1420
10 Yr. Ave.	73	10	19	12	18	124	.2	178	1692

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots Highways Acres	Wood Lots for Tim- ber only Acres	Waste- land Acres	Idle Crop Land Acres
1929	5	8773	47	1025	7	1264	436
1930	12	7227	29	804	20	1179	75
1931	4	7897	67	810	38	1338	17
1932	12	7036	43	825	74	1416	221
1933	25	7859	66	796	81	864	88
1934	2	11036	73	808	37	1360	1436
1935	1	8511	107	763	99	869	2335
1936	5	7607	43	743	37	1225	525
1937	8	7413	49	712	74	1094	787
1938	-	8056	-	741	23	1038	596
10 Yr. Ave.	7	8142	52	803	49	1165	652

10 Yr. Ave. Acres - Spring Wheat 4

*Included in "All Tame Hay".

Popcorn 0 Flaxseed 3

Source: Iowa Department of Agriculture.

(Acreages also shown in "All Other Crops")

Division of Agricultural Statistics.

TABLE 7
LAND UTILIZATION AND YIELDS

Jefferson Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WIN. WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	158	22116	140	6714	31	1786	27	1716	17	264	21
1930	156	22059	141	6388	30	2097	30	1491	20	111	25
1931	157	22080	141	6748	37	2169	34	991	24	155	20
1932	154	22035	143	6785	41	2243	32	351	20	210	16
1933	164	22031	134	6477	43	2227	14	682	19	105	14
1934	165	22047	134	5260	6	40	1	1087	9	-	-
1935	160	22003	138	5012	38	1695	30	1235	16	5	40
1936	151	21571	143	6172	14	1724	19	1346	18	-	-
1937	154	21993	143	6080	46	1602	42	1907	13	12	50
1938	153	21867	143	6489	36	1971	31	1519	19	20	40
10 Yr. Ave.	157	21980	140	6212	36	1755	28	1232	17	88	20

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	29	14	63	12	-	128	-	354	1800
1930	-	-	59	4	-	-	-	339	1589
1931	-	-	61	13	20	25	-	296	1637
1932	-	-	26	17	7	-	-	373	2138
1933	3	62	39	14	-	-	-	415	2130
1934	15	8	37	6	-	-	-	449	1277
1935	186	14	71	15	-	-	-	589	1733
1936	53	11	49	13	-	-	-	555	1895
1937	149	13	98	14	-	-	-	426	1400
1938	44	18	194	16	-	263	-	212	1759
10 Yr. Ave.	48	14	72	13	3	42	0	401	1736

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots, Highways Acres	Wood Lots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	111	7407	39	1245	318	242	382
1930	115	7964	2	1248	536	260	199
1931	77	8099	9	1232	589	259	34
1932	70	7895	16	1235	664	260	135
1933	105	7629	87	1267	652	290	338
1934	21	8966	25	1100	597	261	3341
1935	102	8012	91	1057	275	485	2044
1936	61	7375	27	1002	535	377	955
1937	45	7734	180	1002	535	462	787
1938	52	7209	127	1144	464	427	448
10 Yr. Ave.	76	7829	60	1153	516	332	866

10 Yr. Ave. Acres - Spring Wheat 3

Popcorn 1 Flaxseed 0

(Acreages also shown in "All Other Crops")

*Included in "All Tame Hay".

Source: Iowa Department of Agriculture.

Division of Agricultural Statistics.

TABLE 8
LAND UTILIZATION AND YIELDS

Liberty Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WIN. WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	130	21171	163	5862	37	2578	29	387	17	199	19
1930	154	22342	145	6015	27	3130	34	481	17	91	23
1931	157	22773	145	6722	39	2887	34	264	18	33	26
1932	148	21347	144	6179	39	2894	28	233	11	47	21
1933	153	22472	147	5655	37	2701	15	249	12	5	3
1934	157	22560	144	4393	5	557	4	169	6	-	-
1935	150	22428	150	4289	33	1623	30	286	10	-	-
1936	152	22349	147	4619	12	2469	19	401	13	-	-
1937	139	22594	163	5161	43	2767	42	1111	13	-	-
1938	143	22600	158	5176	32	2769	34	398	13	-	-
10 Yr.. Ave.	148	22264	150	5407	34	2438	29	398	14	38	21

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	-	-	2	10	256	439	-	50	2493
1930	38	13	-	-	212	39	-	71	2424
1931	47	17	38	19	371	11	-	61	1955
1932	11	2	21	20	390	532	-	71	2359
1933	7	9	39	16	157	666	-	87	3233
1934	30	3	182	8	-	88	-	87	2139
1935	141	9	47	11	951	-	-	280	1966
1936	53	9	87	11	428	30	-	253	2234
1937	188	17	79	14	676	-	-	250	1074
1938	129	11	150	18	263	-	-	153	1723
10 Yr. Ave.	64	12	64	13	370	180	0	136	2160

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots, Highways Acres	Wood Lots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	-	7926	40	849	10	557	12
1930	-	8531	-	1160	169	91	-
1931	-	9104	-	902	417	18	15
1932	2	7577	20	1143	181	84	206
1933	16	7469	191	1053	1538	97	62
1934	-	11661	46	1127	324	212	1720
1935	-	8323	-	1135	537	446	2684
1936	-	8845	2	1185	198	204	1624
1937	-	8352	54	1197	316	323	1296
1938	-	9173	50	1142	268	388	971
10 Yr. Ave.	2	8696	40	1089	396	242	859

10 Yr. Ave. Acres - Spring Wheat 4

*Included in "All Tame Hay".

Popcorn 1 Flaxseed 3

Source: Iowa Department of Agriculture.

(Acreages also shown in "All Other Crops")

Division of Agricultural Statistics.

TABLE 9
LAND UTILIZATION AND YIELDS

Lincoln Township

15

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WIN. WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	300	41086	137	11009	40	4055	31	2421	20	695	23
1930	287	41376	144	11651	33	4332	36	2263	20	511	28
1931	269	41107	153	12549	45	4314	39	1592	24	478	30
1932	266	40880	154	12281	47	4373	40	929	18	364	26
1933	293	41106	140	11326	47	4895	18	934	18	308	13
1934	283	41214	146	9533	5	309	4	1583	8	25	5
1935	277	41217	149	9763	41	2930	34	2045	15	-	-
1936	262	41204	157	11569	18	4160	24	1888	21	5	11
1937	276	41241	149	10952	49	3791	46	3467	15	50	25
1938	285	41104	144	10213	38	4119	33	1680	17	43	13
10 Yr. Ave.	280	41154	147	11085	40	3728	33	1880	18	248	24
Year	RYE		SOYBEANS		GRASS SEED			TAME HAY			
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als.Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres		
1929	62	20	20	13	15	348	8	898	3911		
1930	12	20	71	15	-	-	-	779	3495		
1931	-	-	20	20	25	10	-	682	3941		
1932	15	5	-	-	30	40	-	654	4212		
1933	45	12	26	21	-	66	-	851	4937		
1934	81	4	173	7	-	31	-	1001	2585		
1935	441	14	309	16	267	-	-	1408	4787		
1936	260	15	230	16	105	15	40	1464	4483		
1937	425	18	252	17	34	-	-	1281	3333		
1938	230	17	569	19	63	218	28	473	4495		
10 Yr. Ave.	157	15	167	16	54	73	8	949	4018		
Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots, Highways Acres	Wood Lots for Tim- ber only Acres	Waste- land Acres	Idle Crop Land Acres				
1929	-	15863	21	2191	520	282	13				
1930	-	17052	11	1621	129	228	-				
1931	-	16431	5	1544	40	168	-				
1932	-	16573	25	1700	86	253	39				
1933	-	15903	56	2064	-	304	308				
1934	-	19129	61	1825	150	229	5531				
1935	-	16255	7	1860	16	641	1896				
1936	4	15127	71	2196	54	423	589				
1937	9	15699	227	2191	22	407	377				
1938	7	15968	322	2148	39	455	725				
10 Yr. Ave.	2	16400	81	1934	106	339	948				

10 Yr. Ave. Acres - Spring Wheat 3

Popcorn 4 Flaxseed 2

(Acreages also shown in "All Other Crops")

*Included in "All Tame Hay".

Source: Iowa Department of Agriculture.

Division of Agricultural Statistics.

TABLE 10
LAND UTILIZATION AND YIELDS

Linn Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WIN. WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	129	22042	171	6859	36	2404	30	1498	18	80	38
1930	131	21690	166	7271	30	2882	32	1333	25	68	27
1931	134	21521	161	8195	40	2596	32	630	21	112	25
1932	135	22055	163	8406	42	3087	36	407	18	61	27
1933	137	22100	161	7739	46	3590	16	353	16	117	9
1934	136	22118	163	5873	5	62	3	712	6	-	-
1935	136	21994	162	6248	41	2563	29	810	13	106	20
1936	139	22271	160	7583	16	2377	18	1078	21	25	20
1937	134	21644	162	7213	45	2298	48	1878	13	27	39
1938	142	21973	155	6947	38	2699	35	1343	16	11	20
10 Yr. Ave.	135	21941	162	7233	38	2456	30	1004	17	61	23
Year	RYE		SOYBEANS		GRASS SEED			TAME HAY			
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres		
1929	10	20	4	20	-	44	-	281	1430		
1930	4	10	26	12	-	73	-	314	1651		
1931	23	15	19	4	-	-	-	287	1939		
1932	-	-	-	-	12	-	-	248	1446		
1933	13	17	78	10	-	363	-	383	2225		
1934	118	7	20	6	-	-	-	426	1942		
1935	286	15	88	8	36	-	4	513	2159		
1936	193	13	40	17	-	-	-	513	2122		
1937	287	18	130	19	-	-	-	423	1456		
1938	151	13	223	16	33	223	-	275	2213		
10 Yr. Ave.	108	14	63	14	8	70	.4	366	1858		
Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots, Highways Acres	Wood Lots for Tim-ber only Acres	Waste- Land Acres	Idle Crops Land Acres				
1929	78	7901	62	1021	34	501	160				
1930	45	6819	89	930	139	423	10				
1931	84	6640	55	933	97	198	-				
1932	72	7156	84	1007	150	167	-				
1933	146	6218	63	991	56	462	49				
1934	140	6968	77	1091	51	72	4992				
1935	189	7117	271	982	30	30	1075				
1936	149	6746	164	956	65	12	761				
1937	154	6608	227	918	94	15	339				
1938	158	6831	270	821	96	35	142				
10 Yr. Ave.	121	6900	136	965	81	192	753				

10 Yr. Ave. Acres - Spring Wheat 15

*Included in "All Tame Hay".

Popcorn 1 Flaxseed 4

Source: Iowa Department of Agriculture.

(Acreages also shown in "All Other Crops")

Division of Agricultural Statistics.

TABLE 11
LAND UTILIZATION AND YIELDS

Otter Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WINTER WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	125	22583	181	4683	38	1986	29	605	17	170	20
1930	127	22591	178	4793	28	2378	32	523	19	71	22
1931	123	22253	181	5679	42	1913	37	294	20	32	33
1932	124	22252	179	6029	43	1869	33	337	14	45	18
1933	124	22394	181	5665	42	1722	17	181	18	86	13
1934	133	22378	168	4118	-	-	-	340	8	-	-
1935	134	22342	167	4646	29	1403	25	355	11	-	-
1936	122	22321	183	5271	17	1743	20	520	19	-	-
1937	115	22390	195	5059	46	1715	43	1647	16	30	20
1938	113	22349	198	5233	36	2219	35	861	14	-	-
10 Yr. Ave.	124	22385	181	5118	36	1695	31	566	16	43	20

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	10	8	-	-	20	421	-	207	1837
1930	10	15	-	-	12	90	-	233	1697
1931	15	33	-	-	87	121	-	219	1860
1932	-	-	3	17	20	44	-	181	2078
1933	22	22	61	19	-	93	2	206	2608
1934	17	16	15	13	-	-	23	210	572
1935	289	12	-	-	270	58	-	367	1666
1936	96	15	102	13	217	-	-	307	1687
1937	216	21	205	18	13	-	-	357	1349
1938	196	13	360	17	-	233	-	163	1632
10 Yr. Ave.	87	15	75	17	64	106	2	245	1699

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs. Feed Lots, Highways Acres	Wood Lots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	15	11626	70	993	351	197	20
1930	30	11037	21	971	513	509	26
1931	25	10906	19	958	197	250	18
1932	43	10266	39	944	401	173	5
1933	55	10444	52	934	331	206	25
1934	-	13741	-	980	333	208	2031
1935	8	11383	56	1091	350	286	539
1936	8	10933	2	1117	117	269	239
1937	20	10339	89	1194	120	292	102
1938	15	10068	63	1169	220	104	209
10 Yr. Ave.	22	11074	41	1035	293	249	321

10 Yr. Ave. Acres - Spring Wheat 4

*Included in "All Tame Hay."

Popcorn 0 Flaxseed 7

Source: Iowa Department of Agriculture.

(Acreages also shown in "All Other Crops") Division of Agricultural Statistics.

TABLE 12
LAND UTILIZATION AND YIELDS

Palmyra Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WIN. WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	87	15772	181	4391	41	1706	32	1534	18	137	24
1930	106	15706	148	4260	36	1905	35	1143	19	177	23
1931	106	15723	148	4403	41	1577	36	798	21	179	24
1932	106	15668	148	4586	49	1588	35	417	19	81	25
1933	113	15620	138	4441	49	2130	19	486	20	218	13
1934	110	15985	145	3699	9	97	4	1120	9	-	-
1935	112	15543	139	4166	41	1057	36	1096	14	-	-
1936	106	15791	149	4848	22	1694	25	842	18	-	-
1937	104	15555	150	4506	40	1646	50	1386	17	-	-
1938	105	15882	151	4183	41	1713	35	1208	18	25	36
10 Yr. Ave.	106	15724	149	4348	40	1511	33	1003	17	82	22

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	6	29	24	9	21	631	-	329	1874
1930	11	11	99	11	69	265	-	269	1728
1931	-	-	101	21	138	175	-	209	1468
1932	10	9	96	20	2	307	-	165	1507
1933	7	19	58	21	7	190	-	226	1688
1934	53	7	217	10	-	30	-	239	1132
1935	125	16	202	18	137	-	-	270	1481
1936	34	15	188	17	9	10	-	279	1600
1937	114	26	287	21	82	-	-	303	996
1938	67	12	285	21	20	324	-	186	1488
10 Yr. Ave.	43	17	156	18	48	193	0	248	1496

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots, Highways Acres	Wood Lots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	7	4737	10	773	15	497	40
1930	-	5424	46	785	17	42	-
1931	-	5634	17	825	17	66	500
1932	-	5986	56	869	-	50	420
1933	-	5581	50	810	-	65	79
1934	4	7092	67	730	149	453	1172
1935	-	4816	128	729	92	535	979
1936	4	5269	46	647	5	257	348
1937	-	5474	70	623	-	187	184
1938	-	5837	42	670	2	148	194
10 Yr. Ave.	2	5585	53	746	30	230	392

10 Yr. Ave. Acres - Spring Wheat 6Popcorn 5 Flaxseed 0 Source:

(Acreages also shown in "All Other Crops")

*Included in "All Tame Hay".

Iowa Department of Agriculture.

Division of Agricultural Statistics.

TABLE 13
LAND UTILIZATION AND YIELDS

Richland Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WIN. WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	96	16250	169	4082	42	1568	31	1701	21	45	35
1930	88	16300	185	4818	30	1410	31	1072	19	28	22
1931	127	16259	128	5014	41	1257	31	992	22	99	22
1932	125	16109	129	5346	45	1434	33	693	19	95	16
1933	126	15892	126	4794	41	1543	18	616	20	140	13
1934	132	16048	122	3842	11	147	5	1302	10	-	-
1935	125	16326	131	3516	40	878	27	921	17	35	28
1936	121	16013	132	4855	25	1085	26	772	24	-	-
1937	124	16218	131	4685	44	786	38	1784	19	99	25
1938	118	15916	135	4386	43	761	30	1758	20	22	10
10 Yr. Ave.	118	16133	136	4534	39	1087	29	1161	19	56	20

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	35	12	41	8	-	278	-	422	1550
1930	18	9	-	-	-	15	-	376	1351
1931	-	-	18	17	-	-	-	380	1086
1932	33	22	45	27	46	70	10	358	869
1933	34	20	70	21	-	59	-	390	1251
1934	19	6	119	12	-	-	-	424	907
1935	142	15	251	9	18	-	-	428	1168
1936	1	9	137	23	-	-	9	373	1129
1937	27	22	111	18	-	-	-	211	653
1938	15	10	166	25	-	200	44	249	1204
10 Yr. Ave.	32	15	96	17	6	62	6	361	1117

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bl'dgs., Feed Lots Highways Acres	Wood Lots for Tim-ber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	-	5708	-	932	-	588	-
1930	-	5888	9	696	30	440	540
1931	-	5926	46	940	19	652	210
1932	-	5406	44	873	337	796	82
1933	-	5051	81	846	234	890	342
1934	-	5942	109	949	116	1048	1548
1935	-	5663	102	958	23	809	1842
1936	8	5958	90	933	46	702	288
1937	-	6092	115	815	28	706	317
1938	-	5659	133	870	8	793	97
10 Yr. Ave.	1	5729	73	881	84	742	527

10 Yr. Ave. Acres - Spring Wheat 20

Popcorn .2 Flaxseed 0

(Acreages also shown in "All Other Crops")

*Included in "All Tame Hay".

Source: Iowa Department of Agriculture.

Division of Agricultural Statistics.

TABLE 14
LAND UTILIZATION AND YIELDS

Squaw Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WIN. WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	126	18937	150	4618	33	1740	22	470	14	228	15
1930	139	20109	145	4952	22	2188	29	441	14	120	16
1931	135	20965	155	5268	36	2228	26	237	16	277	21
1932	135	20552	152	5515	32	2163	22	144	12	186	14
1933	139	20678	149	5540	34	2283	9	92	12	74	7
1934	137	22556	165	4098	5	241	3	166	5	10	1
1935	136	21949	161	3230	28	1221	23	148	8	-	-
1936	133	21962	165	4439	11	2082	13	135	10	-	-
1937	135	22796	169	4470	38	1946	38	456	15	-	-
1938	133	22361	168	4256	38	2255	31	251	19	-	-
10 Yr. Ave.	135	21286	158	4639	31	1835	23	254	14	90	16

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	57	11	7	10	170	443	-	103	2607
1930	73	12	-	-	-	-	-	35	2250
1931	49	16	-	-	145	90	-	119	2217
1932	5	14	-	-	61	-	-	88	2594
1933	33	9	12	13	-	21	-	120	3229
1934	24	7	-	-	-	-	-	238	2478
1935	226	12	-	-	501	-	-	304	1920
1936	110	11	23	6	63	-	-	319	2648
1937	247	13	13	19	138	-	-	284	1912
1938	76	7	129	13	79	46	-	229	1782
10 Yr. Ave.	90	12	18	13	116	60	0	184	2364

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots, Highways Acres	Wood Lots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	20	6928	1	877	638	456	120
1930	-	8061	-	768	1164	47	45
1931	-	8233	15	957	951	338	50
1932	-	8448	-	946	187	89	214
1933	12	6904	-	1008	964	175	352
1934	6	11604	49	923	225	12	2720
1935	-	10403	23	973	509	4	2791
1936	-	10600	69	975	334	-	484
1937	-	11443	251	974	205	20	721
1938	1	11660	103	1088	90	-	591
10 Yr. Ave.	4	9428	51	949	527	114	809

10 Yr. Ave. Acres - Spring Wheat 2

*Included in "All Tame Hay".

Popcorn 0 Flaxseed 0

Source: Iowa Department of Agriculture.

(Acreages also shown in "All Other Crops")

Division of Agricultural Statistics.

TABLE 15
LAND UTILIZATION AND YIELDS

Union Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WIN. WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	104	15723	151	4389	41	2452	31	643	19	10	19
1930	108	16163	150	4378	33	2480	34	588	15	37	47
1931	104	15813	152	5228	48	2143	34	275	34	15	27
1932	98	17591	180	5392	45	2367	32	273	9	34	15
1933	113	17361	154	5118	44	2527	19	285	20	25	10
1934	110	17767	162	3946	3	-	-	534	9	-	-
1935	114	17305	152	3774	36	1650	26	524	13	10	20
1936	104	17019	164	4761	17	1947	24	717	21	-	-
1937	102	17026	167	4895	41	1753	42	1190	15	-	-
1938	105	17339	165	4720	40	2034	35	792	21	19	16
10 Yr. Ave.	106	16911	159	4660	39	1935	31	582	17	15	24
Year	RYE		SOYBEANS		GRASS SEED			TAME HAY			
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres		
1929	23	8	-	-	39	271	-	197	1764		
1930	42	24	-	-	-	66	-	170	1589		
1931	43	19	-	-	-	66	-	168	1162		
1932	67	17	60	7	3	378	-	185	1697		
1933	44	14	31	13	1	306	-	173	1772		
1934	70	9	141	8	-	42	-	294	1618		
1935	279	12	93	11	52	-	6	302	1443		
1936	70	19	26	8	41	20	-	246	1610		
1937	96	16	165	14	66	-	-	204	814		
1938	18	18	237	16	36	435	28	117	1311		
10 Yr. Ave.	75	15	75	12	24	158	3	206	1478		
Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots, Highways Acres	Wood Lots for Tim- ber only Acres	Waste- land Acres	Idle Crop Land Acres				
1929	-	4574	3	740	728	358	-				
1930	-	5167	6	630	944	262	40				
1931	-	5236	15	627	653	416	-				
1932	-	6105	40	802	353	398	-				
1933	5	5573	54	769	559	458	140				
1934	-	6541	34	760	291	598	3234				
1935	-	6368	54	862	226	752	1212				
1936	-	6206	2	799	80	490	270				
1937	6	5593	53	786	692	676	241				
1938	-	6238	28	781	350	658	89				
10 Yr. Ave.	1	5760	29	756	488	507	523				

10 Yr. Ave. Acres - Spring Wheat 4

*Included in "All Tame Hay".

Popcorn .4 Flaxseed 4

Source: Iowa Department of Agriculture.

(Acreages also shown in "All Other Crops")

Division of Agricultural Statistics.

TABLE 16
LAND UTILIZATION AND YIELDS

Virginia Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WIN. WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	152	22339	147	4881	33.	1541	25	465	16	306	14
1930	135	21259	157	4922	23.	1730	36	633	20	283	21
1931	140	21732	155	5028	38	2011	32	386	18	251	23
1932	123	22366	182	6046	40	2211	31	135	10	66	15
1933	127	22324	176	5338	37	2404	12	105	12	46	6
1934	126	22383	178	3922	4	15	10	139	12	-	-
1935	128	22363	175	3556	33	1175	28	269	10	12	18
1936	126	22379	178	4498	12	2332	18	304	13	7	8
1937	126	21833	173	4273	40	1991	39	877	14	14	24
1938	120	20991	175	4132	38	2164	37	211	10	-	-
10 Yr. Ave.	130	21997	169	4709	33	1757	28	352	15	98	18

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	52	7	-	-	73	103	-	206	3017
1930	5	17	-	-	85	22	-	214	2248
1931	1	15	-	-	88	123	-	273	2341
1932	-	-	20	9	75	361	-	237	2911
1933	-	-	-	-	42	508	23	302	3194
1934	23	6	92	5	-	52	-	264	2205
1935	109	11	-	-	304	-	-	311	2224
1936	31	9	13	8	136	-	-	434	2973
1937	301	16	11	20	66	-	-	383	2733
1938	102	9	87	16	190	144	4	266	2445
10 Yr. Ave.	62	12	22	11	106	131	3	289	2629

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots Highways Acres	Wood Lots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	5	11177	-	574	212	36	-
1930	11	10393	-	453	449	47	-
1931	3	10072	12	532	479	33	-
1932	10	9674	22	784	410	2	-
1933	13	9977	22	836	181	143	-
1934	19	13361	5	833	141	188	1440
1935	13	10693	58	865	149	421	2515
1936	12	10272	34	847	178	323	419
1937	3	9464	207	643	148	537	565
1938	13	9970	160	644	83	650	136
10 Yr. Ave.	10	10505	52	701	243	238	508

10 Yr. Ave. Acres - Spring Wheat 1Popcorn 1 Flaxseed 5

(Acreages also shown in "All Other Crops")

*Included in "All Tame Hay".

Source: Iowa Department of Agriculture.

Division of Agricultural Statistics.

TABLE 17
LAND UTILIZATION AND YIELDS

Whitebreast Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WIN. WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	162	22402	138	5197	34	2505	28	524	11	96	14
1930	160	22364	140	5542	25	2922	35	494	16	95	27
1931	166	22717	137	5968	38	3040	32	476	19	148	30
1932	145	22737	157	5604	37	2999	30	276	11	151	22
1933	136	22620	166	5960	35	2703	14	274	14	49	6
1934	139	22321	161	4399	3	705	4	579	10	-	-
1935	137	22332	163	3407	32	1816	30	611	12	-	-
1936	157	22671	144	5436	8	2548	18	797	19	-	-
1937	151	22308	148	5002	41	2754	43	1338	12	-	-
1938	139	22205	160	5249	35	2847	32	721	13	-	-
10 Yr. Ave.	149	22463	151	5176	32	2484	29	609	14	54	22

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	31	10	-	-	93	45	-	379	3123
1930	38	12	-	-	80	7	-	376	2894
1931	19	21	-	-	620	-	-	358	1941
1932	23	9	18	14	169	239	-	305	2772
1933	26	12	29	11	91	285	-	284	2943
1934	13	2	58	9	-	20	-	293	1621
1935	171	10	90	11	963	20	-	466	1714
1936	112	13	-	-	413	-	-	379	2515
1937	160	15	31	13	512	-	-	311	1633
1938	107	11	149	17	339	52	26	170	1672
10 Yr. Ave.	70	12	38	14	328	67	3	332	2283

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots, Highways Acres	Wood Lots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	17	9336	-	1078	145	214	43
1930	-	9090	-	1108	89	12	-
1931	-	9142	-	1177	176	10	-
1932	-	8233	40	1035	870	421	126
1933	-	8322	20	1010	677	406	110
1934	-	11094	46	1093	236	531	1946
1935	9	9512	33	1089	169	315	2433
1936	7	9287	1	1340	132	27	56
1937	3	9552	-	1261	52	10	-
1938	-	8710	69	1221	92	857	146
10 Yr. Ave.	4	9228	21	1141	264	280	486

10 Yr. Ave. Acres - Spring Wheat 0

*Included in "All Tame Hay".

Popcorn 1 Flaxseed 1

Source: Iowa Department of Agriculture.

(Acreages also shown in "All Other Crops")

Division of Agricultural Statistics.

TABLE 18
LAND UTILIZATION AND YIELDS

White Oak Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WIN. WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	123	23040	187	4861	37	1924	26	1313	19	190	19
1930	115	22898	199	5702	28	2365	28	1096	18	303	19
1931	126	22811	181	5892	39	2101	38	539	2	313	25
1932	97	22951	237	5624	37	2013	34	189	16	418	21
1933	101	22935	227	5108	42	2484	12	459	18	178	13
1934	102	22918	225	3688	2	223	5	644	9	-	-
1935	98	22388	228	3550	35	1207	29	575	13	15	17
1936	106	22451	212	4889	16	1858	20	701	17	43	15
1937	107	22287	208	4587	45	1676	40	1412	15	26	28
1938	107	22368	209	4683	33	1685	33	1055	15	43	20
10 Yr. Ave.	1082	22705	210	4858	35	1754	28	798	15	153	20
Year	RYE		SOYBEANS		GRASS SEED			TAME HAY			
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres		
1929	8	14	27	14	89	-	-	427	2751		
1930	39	26	17	17	33	13	-	408	2396		
1931	7	17	2	18	25	-	-	428	2093		
1932	24	8	10	22	61	214	10	445	2827		
1933	9	4	22	23	14	144	-	454	2824		
1934	17	3	84	6	-	35	-	357	1061		
1935	132	10	14	11	285	-	-	503	1714		
1936	37	10	81	9	102	-	30	551	2128		
1937	217	21	74	14	68	-	-	387	1304		
1938	81	12	149	19	29	357	-	257	1782		
10 Yr. Ave.	57	15	48	14	71	76	4	421	2088		
Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots, Highways Acres	Wood Lots for Tim- ber only Acres	Waste- land Acres	Idle Crop Land Acres				
1929	-	10274	1	1081	91	250	180				
1930	-	8626	52	985	63	1137	84				
1931	10	9169	-	1050	325	1285	-				
1932	22	9373	179	879	450	760	112				
1933	23	9635	146	793	375	670	195				
1934	15	10804	107	738	567	843	4127				
1935	30	10288	204	781	166	759	2668				
1936	24	9848	40	948	182	844	696				
1937	18	10128	79	902	109	985	702				
1938	30	9847	82	809	294	1117	682				
10 Yr. Ave.	17	9799	89	897	262	865	945				

10 Yr. Ave. Acres - Spring Wheat 5

*Included in "All Tame Hay".

Popcorn 0 Flaxseed .5

Source: Iowa Department of Agriculture.

(Acreages also shown in "All Other Crops")

Division of Agricultural Statistics.

TABLE 19
LAND UTILIZATION AND YIELDS

Total Incorporated Town Data - Ackworth, Carlisle, Cumming, Hartford, Indianola, Lacona, Martensdale, Milo, New Virginia, Norwalk, Sandyville, Spring Hill

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WIN. WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	103	3072	30	783	47	434	32	92	24	6	40
1930	134	3036	23	736	36	289	38	-	-	-	-
1931	118	2874	24	949	43	249	35	-	-	5	20
1932	125	2924	23	863	49	254	30	-	-	10	20
1933	115	2922	25	847	43	181	31	-	-	-	-
1934	112	3061	27	797	-	9	10	30	11	-	-
1935	115	2800	24	731	40	105	31	74	15	-	-
1936	116	2774	24	847	32	193	25	55	31	-	-
1937	120	2896	24	779	47	199	50	138	18	-	-
1938	108	2855	26	907	40	233	35	56	16	-	-
10 Yr. Ave	117	2921	25	824	43	215	34	44	19	2	26

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	-	-	-	-	-	12	-	130	244
1930	-	-	-	-	10	-	-	104	343
1931	-	-	-	-	-	-	-	101	263
1932	-	-	2	15	-	-	-	115	235
1933	-	-	-	-	-	-	-	162	251
1934	-	-	-	-	-	-	-	168	276
1935	15	13	27	11	10	-	-	176	388
1936	4	11	-	-	-	-	-	108	175
1937	-	-	-	-	-	-	-	88	210
1938	-	-	28	9	-	46	-	48	187
10 Yr. Ave	2	13	6	10	2	6	-	120	257

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots, Highways Acres	Wood Lots for Tim-ber Only Acres	Waste-land Acres	Idle Crop Land Acres
1929	-	1268	10	160	22	14	39
1930	-	1412	20	182	-	-	44
1931	-	1162	44	147	31	-	24
1932	-	1332	19	172	11	1	25
1933	-	1348	38	189	-	6	62
1934	-	1382	4	215	11	9	328
1935	-	1169	14	168	7	13	79
1936	-	1288	4	177	2	9	20
1937	-	1263	24	247	-	30	6
1938	-	1207	3	195	2	34	3
10 Yr. Ave	-	1283	18	185	9	12	63

10 Yr. Ave. Acres - Spring Wheat 2 *Included in "All Tame Hay."
 Popcorn 0 Flaxseed 0 Source: Iowa Department of Agriculture.
 (Acreages also shown in "All Other Crops.") Division of Agricultural Statistics.

TABLE 20
COUNTY LIVESTOCK NUMBERS
January 1

Year	All Cattle*	Milk Cows	Horses	Mules	Sheep	Hogs
1870	17245	6062	8938	569	-	64146
1880	29606	9377	11811	668	5354	71153
1890	52320	13157	17293	557	5185	75853
1900	52288	12674	3312	764	7951	75396
1910	43911	12146	17527	577	9178	60762
1920	41115	8327	13943	1062	12581	70593
1925	42975	11251	12027	1271	15087	91729
1930	38402	12232	10319	994	23458	111339
1935	33366	13465	7824	818	17930	46802
1936	36143	12905	7382	889	26628	63022
1937	35484	12828	7778	911	23747	55352
1938	36309	12744	7700	829	26171	64467
1939	37265	12917	7510	827	23561	76107

The figures in this table for the years 1870-1935 inclusive have been derived from the Federal Censuses for Iowa. These enumerations have been made as of different dates. Some enumerations were for a base date of January 1, others for a base date of April 1, and others for June 1.

The census enumerations made in 1920, 1925 and 1935 were for January 1. For comparability the enumerations made for the base dates of April 1 and June 1 were adjusted to an equivalent January 1 base. This adjustment procedure places the livestock data of the above table on the one inventory date of January 1.

The figures for 1936, 1937, 1938 and 1939 for all cattle and milk cows are estimates of the Division of Agricultural Statistics of the Iowa Department of Agriculture and those for horses, mules, hogs and sheep are adjusted state farm assessor's figures.

The adjusted county figures for horses, mules, hogs and sheep for the last four years in the table are more nearly accurate than those in Table 21 and comparison with these figures will provide an estimate of the bias displayed by the unadjusted state farm assessor's figures.

* Includes Milk Cows.

TABLE 21
LIVESTOCK NUMBERS
By Townships

Township	1936					1937				
	Horses	Mules	Cattle	Sheep	Hogs	Horses	Mules	Cattle	Sheep	Hogs
Allen	178	51	1006	229	1231	192	25	1017	331	1824
Belmont	476	60	1934	906	3771	564	73	1997	1636	3284
Greenfield	516	50	2214	687	3301	526	64	2474	553	2866
Jackson	469	38	1762	739	3140	451	41	1627	673	2058
Jefferson	465	40	2096	675	3485	450	38	2000	806	2586
Liberty	490	35	2032	1255	2841	439	31	1653	993	2035
Lincoln	842	81	4648	2701	6940	837	96	3749	1796	5687
Linn	444	57	2094	480	3915	479	54	2004	570	3173
Otter	327	33	1722	1203	1845	368	37	1801	861	2177
Palmyra	328	33	1518	435	2405	309	43	1257	396	1455
Richland	280	56	2736	537	2439	285	62	2439	441	3317
Squaw	454	61	2014	1576	2686	462	48	1601	1068	2130
Union	313	39	1247	725	2508	295	30	1228	700	2045
Virginia	393	42	1995	1613	2396	449	54	1949	1853	2028
Whitebreast	479	30	1926	2138	3239	502	33	1361	1011	2266
White Oak	365	18	2046	1554	2595	401	19	1833	1791	1989
ALL TOWNS	31	6	245	-	279	26	9	140	60	335
COUNTY	3850	730	33235	17298	49064	4085	757	30130	15539	41255

Township	1938					1939				
	Horses	Mules	Cattle	Sheep	Hogs	Horses	Mules	Cattle	Sheep	Hogs
Allen	190	26	1017	401	1705	199	19	1195	352	2053
Belmont	543	65	2218	940	4095	465	59	2353	1388	5251
Greenfield	525	22	2386	408	2855	521	34	2642	457	3502
Jackson	415	41	1748	514	2235	430	40	1867	662	3523
Jefferson	447	54	2179	1133	3001	470	65	2116	660	3763
Liberty	425	30	1903	1101	2694	449	28	1701	1187	2949
Lincoln	916	85	4694	3453	5957	890	71	4889	2893	7782
Linn	458	41	2062	651	3233	437	42	1986	670	4377
Otter	407	46	1963	1995	2410	411	44	2027	724	3378
Palmyra	357	17	1490	522	2510	307	28	1551	737	2759
Richland	275	73	2450	1462	2944	242	54	2309	871	3156
Squaw	486	49	1732	1126	2750	483	56	1940	1080	3876
Union	224	37	1234	713	2668	306	68	1434	800	4202
Virginia	475	48	2252	1399	2148	443	43	1919	1765	2936
Whitebreast	514	33	1822	1021	2923	515	32	1872	1499	3792
White Oak	399	27	2169	1296	2555	326	19	2050	1144	2936
ALL TOWNS	24	10	240	46	394	37	5	215	49	353
COUNTY	7078	704	33559	18131	46877	6931	707	34066	16938	60593

The statistics in this table are biased downward. They are printed only to permit inter-township and inter-annual comparisons. Unless townships are equal in size, comparisons may not be directly made. It is assumed that individual assessors are subject to approximately the same bias. Compare Table 20 for the magnitude of the bias.

Source: Division of Agricultural Statistics.
Iowa Department of Agriculture.

TABLE 22
CREAMERY STATISTICS
1905-1939

Year	Number of Creameries in County	Butter Made	Butter Sold in Iowa	Butter Sold out of State
		Thousand Pounds	Thousand Pounds	Thousand Pounds
1905	1	693	6	687
1906	1	2	5	—
1907	—	—	—	—
1908	—	—	—	—
1909	—	—	—	—
1910	—	—	—	—
1911	—	—	—	—
1912	—	—	—	—
1913	—	—	—	—
1914	—	—	—	—
1915	—	—	—	—
1916	—	—	—	—
1917	—	—	—	—
1918	—	—	—	—
1919	—	—	—	—
1920	—	—	—	—
1921	—	—	—	—
1922	—	—	—	—
1923	—	—	—	—
1924	—	—	—	—
1925	1	92	80	9
1926	1	144	125	12
1927	1	142	119	23
1928	1	117	105	12
1929	1	159	99	60
1930	1	159	99	60
1931	1	107	88	19
1932	1	125	106	20
1933	1	175	160	14
1934	1	119	117	1
1935	1	79	76	3
1936	1	63	63	—
1937	—	—	—	—
1938	1	81	80	—
1939	—	—	—	—

Source: Division of Agricultural Statistics
Iowa Department of Agriculture.

TABLE 23
CHICKENS AND EGGS
1880-1935

Year	Chickens	Eggs Produced
	Number	Dozen
1880	85,953	479,051
1885	157,074	361,612
1890	339,348	1,146,996
1895	195,117	804,689
1900	183,452	1,086,670
1905	249,100	812,751
1910	334,985	1,167,721
1915	271,744	1,035,649
1920	354,825	1,243,156
1925	292,984	1,334,542
1930	283,134	1,733,423
1935	189,579	1,022,658

Source: U. S. & Iowa State Census.

TABLE 24
NUMBER OF FARMS REPORTING SPECIFIED ITEMS

Year	Number of Farms	GRAIN CROPS								
		Corn	Oats	Winter Wheat	Spring Wheat	Barley	Rye	Buck-wheat	Soy-beans	Flax-seed
1930	2386	2186	1666	611	5	194	43	0	20	0
1932	2331	2153	1544	333	4	162	24	1	36	3
1934	2396	2122	121	489	2	1	47	9	131	2
1936	2327	2119	1343	629	3	22	173	$\frac{1}{1}$	142	0
1938	2311	2123	1549	643	4	25	145	$\frac{1}{1}$	329	0
Average	235	215	1245	541	4	81	86	3	132	1

Year	HAY CROPS									
	Pop-corn	Clover and Timothy	Alfalfa	Soy-bean	Grain Cut Green	Clover	Timothy	Sudan Grass	Other Tame Hay	Wild Hay
1930	0	629	583	42	$\frac{1}{1}$	583	303	11	56	33
1932	28	387	575	158	173	770	370	53	212	36
1934	1	123	652	651	166	295	73	35	661	44
1936	1	1077	706	479	193	$\frac{1}{1}$	$\frac{1}{1}$	$\frac{1}{1}$	81	61
1938	6	980	469	1002	178	$\frac{1}{1}$	$\frac{1}{1}$	$\frac{1}{1}$	58	64
Average	7	639	597	466	178	549	252	33	214	48

Year	GRASS SEED				LIVESTOCK					
	Timothy	Clover Red & Alsike	Sweet Clover	All Pasture	Horses	Mules	Cattle	Sheep	Hogs	Sows for Sp. Farrow
1930	53	55	0	2296	$\frac{1}{1}$	$\frac{1}{1}$	$\frac{1}{1}$	$\frac{1}{1}$	$\frac{1}{1}$	1629
1932	73	181	2	2142	$\frac{1}{1}$	$\frac{1}{1}$	$\frac{1}{1}$	$\frac{1}{1}$	$\frac{1}{1}$	1708
1934	0	24	2	2278	$\frac{1}{1}$	$\frac{1}{1}$	$\frac{1}{1}$	$\frac{1}{1}$	$\frac{1}{1}$	1294
1936	92	14	5	2196	1093	334	1945	531	1693	1265
1938	97	230	19	2166	1833	309	2034	551	1806	1596
Average	63	102	6	2216	1463	322	1990	541	1750	1498

Year	EQUIPMENT				MISCELLANEOUS					Other Crops
	Trac-tors	Trucks	Autos	Radios	Pota-toes	Apples	Timber and Wood	Waste-land	Idle Crop Land	
1930	411	178	1815	877	224	106	242	388	34	54
1932	339	145	1551	571	418	410	182	520	69	91
1934	376	130	1763	534	155	116	214	576	1545	124
1936	520	137	1655	897	125	61	119	519	494	158
1938	758	168	1764	1323	$\frac{1}{1}$	$\frac{1}{1}$	120	702	328	316
Average	481	152	1710	840	231	173	175	541	494	148

$\frac{1}{1}$ Not given in sources.

Source: Division of Agricultural Statistics.
Iowa Department of Agriculture.

TABLE 25
FARM AND LAND TENURE

Year	OWNERS				PART-OWNERS			
	No. of Farms	% of Total	No. of Farm Acres	% of Total	No. of Farms	% of Total	No. of Farm Acres	% of Total
1928	1176	49.2	154274	44.7	218	9.1	44674	13.0
1930	1204	50.4	156444	45.2	176	7.4	35337	10.2
1932	1005	43.0	130520	37.7	267	11.5	53188	15.4
1934	971	40.4	124271	35.3	255	10.6	49837	14.2
1936	936	40.2	124834	36.0	258	11.1	53260	15.4
1938	987	42.7	133845	38.5	240	10.4	52049	15.0
1928-38 Average	1047	44.4	137365	39.6	236	10.0	48057	13.8

Year	TENANTS				TOTALS			
	No. of Farms	% of Total	No. of Farm Acres	% of Total	No. of Farms	% of Total	No. of Farm Acres	% of Total
1928	997	41.7	145942	42.5	2391	100	344890	100
1930	1007	42.2	154522	44.6	2387	100	346303	100
1932	1063	45.5	162177	46.9	2335	100	345885	100
1934	1179	49.0	177442	50.5	2405	100	351550	100
1936	1135	43.7	168735	48.6	2329	100	346829	100
1938	1083	46.9	161358	46.5	2310	100	347252	100
1928-38 Average	1077	45.6	161696	46.6	2560	100	347118	100

Source: Division of Agricultural Statistics.

Iowa Department of Agriculture.

TABLE 26
YEARS OF TENURE
January 1, 1935

Owners	Warren County		State of Iowa	
	Number of Farms	Per Cent of County Total	Number of Farms	Per Cent of State Total
On present farm less than 1 year	109	9.8	4442	5.2
1 year	63	5.7	3198	3.8
2 years	49	4.4	3282	3.8
3 years	39	3.5	2857	3.4
4 years	57	5.2	3228	3.8
5-9 years	133	17.0	11726	13.8
10-15 years	143	12.9	11279	13.2
15 years and over	459	41.5	45076	53.0
TOTALS	1107	100.0	85088	100.0
Tenants				
On present farm less than 1 year	535	29.2	21763	20.1
1 year	181	15.9	15053	13.9
2 years	125	11.0	11555	10.7
3 years	82	7.2	8235	7.7
4 years	71	6.2	7564	7.0
5 years and over	348	30.5	43826	40.6
TOTALS	1140	100.0	108046	100.0

Source: U.S. Agricultural Census.

TABLE 27
FREQUENCY DISTRIBUTION OF FARMS BY SIZE CLASSES

Acres in Farms	Number of Farms					
	1928		1930		1932	
	No. of Farms	% of Total	No. of Farms	% of Total	No. of Farms	% of Total
0-9	73	3.05	40	1.68	46	1.97
10-29	149	6.23	110	4.61	107	4.58
30-49	170	7.11	187	7.83	182	7.79
50-69	98	4.10	113	4.94	100	4.28
70-109	561	23.46	577	24.17	576	24.67
110-149	395	16.52	393	16.46	386	16.53
150-189	377	15.77	381	15.96	374	16.02
190-229	211	8.82	222	9.30	204	8.74
230-269	137	5.73	151	6.33	148	6.34
270-309	63	2.63	67	2.81	75	3.21
310-349	52	2.18	49	2.05	41	1.76
350-389	31	1.30	28	1.17	26	1.11
390-429	23	.96	10	.42	24	1.03
430-469	20	.84	15	.67	16	.68
470-509	11	.46	15	.63	6	.26
510-549	3	.13	1	.04	4	.17
550-589	2	.08	4	.17	4	.17
590-629	4	.17	3	.13	4	.17
630-669	1	.04	4	.17	4	.17
670-709	5	.21	5	.21	2	.09
710-over	5	.21	6	.25	6	.26
Total Farms	2391	100.00	2387	100.00	2335	100.00
					2405	100.00
					2329	100.00
					2310	100.00

Source: Division of Agricultural Statistics.
Iowa Department of Agriculture.

TABLE 22
AUTOS, TRUCKS, TRACTORS, AND RADIOS
1926-39

Year	Automobiles	Trucks	Tractors	Radios
1926	1858	156	285	459
1927	1938	153	290	651
1928	2031	146	353	752
1929	1909	171	370	778
1930	2016	153	372	892
1931	1998	177	418	900
1932	1917	196	398	855
1933	1749	132	351	574
1934	1888	125	425	616
1935	1831	112	404	555
1936	1784	147	480	779
1937	1733	144	546	896
1938	1822	136	686	1152
1939	1859	180	798	1333

Source: Division of Agricultural Statistics.
Iowa Department of Agriculture.

TABLE 29
ACREAGE OWNED BY CORPORATIONS
January 1, 1937

Township	Insurance Companies	Banks	Land & Mfg. Companies	Fed. Land Banks	Joint Stock Land Banks	Others	Total	% Farm Land Corporate Owned
Allen	613	167	-	-	-	200	980	9.36
Belmont	249	155	80	160	480	-	1124	5.00
Greenfield	693	-	-	200	265	75	1233	5.46
Jackson	1660	399	160	160	256	360	2995	12.87
Jefferson	1578	363	280	216	231	25	2693	12.36
Liberty	1350	40	-	191	240	-	1821	8.06
Lincoln	976	60	-	75	260	584	1955	4.61
Linn	1773	320	-	-	447	120	2660	10.86
Otter	950	-	-	-	385	45	1380	6.73
Palmyra	327	227	180	-	-	155	1389	9.19
Richland	453	215	105	-	110	-	883	5.53
Squaw	2278	-	-	165	250	453	3146	13.67
Union	540	20	-	197	504	160	1421	8.15
Virginia	3295	80	-	-	353	229	3957	16.95
White Breast	960	-	-	-	403	-	1363	6.15
White Oak	1666	-	-	160	962	1703	4491	21.37
County Total	19861	2046	805	1524	5146	4109	33491	9.51

Source: Department of Economics & Sociology
Iowa State College

TABLE 30
ACREAGE OWNED BY CORPORATIONS
January 1, 1939

Township	Insurance Companies	Banks	Land & Mtg. Companies	Fed. Land Banks	Joint Stock Land Banks	Others	Total	% Farm Land Corporate Owned
Allen	751	167	-	-	-	317	1235	11.79
Belmont	114	80	-	160	445	-	799	3.55
Greenfield	643	81	80	-	180	75	1059	4.69
Jackson	1745	599	160	160	256	200	3120	13.41
Jefferson	2103	443	230	160	97	188	3271	15.01
Liberty	1255	-	-	191	240	60	1746	7.73
Lincoln	856	60	-	295	660	554	2425	5.72
Linn	2297	440	290	-	242	-	3269	13.35
Otter	1360	-	-	30	265	113	1818	8.86
Palmyra	627	227	180	-	-	155	1189	7.86
Richland	290	275	-	-	-	-	565	3.54
Squaw	2994	-	198	165	240	300	3897	16.94
Union	475	20	-	-	550	160	1205	6.91
Virginia	2876	80	-	160	200	369	3685	15.79
White Breast	1705	-	-	-	483	-	2188	9.87
White Oak	1523	-	-	160	1042	1703	4428	21.07
County Total	21614	2472	1188	1531	4900	4194	35899	10.19

Source: Department of Economics & Sociology
Iowa State College

TABLE 31
VALUE OF FARM LAND AND BUILDINGS
1880-1935

Year	Number of Farms*	Number of Acres*	Value of Land	Value of Buildings	Value of Land and Buildings	Value of Land & Bldgs.	
						Per Acre	Per Farm
1880	2617	335206	-	-	7595862	22.66	29.03 2,903
1890	2613	333200	-	-	9503320	28.52	36.37 3,637
1900	2926	351783	11931710	2266510	14198220	40.36	48.52 4,852
1910	2608	342113	26903242	4126564	31029806	73.64	118.98 11,848
1920	2402	337533	56596052	6935445	63531497	167.68	264.49 26,449
1925	2443	340936	32694225	7696850	40391075	118.47	165.33 16,533
1930	2521	352136	27648797	8064020	35712817	101.42	141.66 14,166
1935	2623	349568	-	-	18121050	51.84	69.09 6,909

Source: United States Census

*Differences in numbers of farms and acres reported in this table and in other tables in this bulletin are due to differences in sources of data.

TABLE 32
REAL PROPERTY AND MONEYS AND CREDITS TAXES
COLLECTIBLE IN 1939, FOR ALL PURPOSES
(Exclusive of Special Assessments)

	Cities and Towns	Rural Districts	Total for County
General State Tax	\$ 7,513.38	\$ 35,326.11	\$ 42,839.49
Soldiers' Bonus Tax	3,329.66	6,666.47	9,996.13
General County Tax	7,354.79	34,548.61	41,903.40
Court Expense Tax	1,434.59	6,745.03	8,179.62
Poor Tax	5,623.56	26,440.62	32,064.18
Insane Tax, State Hospital	439.96	2,068.50	2,508.46
Insane Tax, County Hospital	-	-	-
County School Tax	975.52	4,586.61	5,562.13
Soldiers' Relief Tax	937.28	4,406.75	5,344.03
General County Bond Tax	-	-	-
Court House Tax	1,579.99	7,428.57	9,008.56
Emergency Tax	3,748.99	17,627.07	21,376.06
Bovine Tuberculosis Eradication	-	-	-
Secondary Roads - Construction	1,866.89	19,569.63	21,436.52
Secondary Roads - Maintenance	5,952.57	72,234.91	78,187.48
District School Tax	86,386.49	203,024.71	289,411.20
City Tax	23,300.52	-	23,300.52
Miscellaneous Taxes	87.96	2,278.03	2,365.99
Total	150,532.15	442,951.62	593,483.77*

*Includes special one mill tax on moneys and credits for Soldiers' Bonus Bonds.

Source: 1939 Report,
State Board of Assessment and Review.

TABLE 33
NUMBER OF SCHOOLS BY TYPE

Type of School	Number of Schools		
	1928-29	1933-34	1938-39
1. Kindergarten	2	2	2
2. 1 room rural elementary	76	74	76
3. 2 or more-room rural elementary	1	1	1
4. Elementary, not rural	15	15	15
5. Separately organized Jr. High	1	1	1
6. Jr.-Sr. High, one organization	--	--	4
7. Separately organized Sr. High	1	1	1
8. Regular High, 4 years or less	12	13	9
9. Junior College	--	--	--
Total Number of Schools	108	107	109

TABLE 34
ENROLLMENT IN SCHOOLS BY TYPE

Type of School	Enrollment in Schools		
	1928-29	1933-34	1938-39
1. Kindergarten	65	68	52
2. One room rural elementary	1342	1275	1117
3. Two or more-room rural elementary	45	36	32
4. Elementary, not rural	1976	1924	1641
5. * Jr.-Sr. High, 1 organization	526	572	924
6. Regular High, 4 years or less	680	762	555
7. Junior College	--	--	--
Total Enrollment in all Schools	4634	4637	4321

*Includes enrollment for school Types 5, 6 and 7 in Table 33.

Source: Annual Report of County Superintendents to State Department of Public Instruction.

TABLE 35
MILES OF ROADS BY TYPES
January 1939

Type of Surface	Primary Roads Outside Corporation	Secondary Roads		Total Mileage in Road System
		County Trunk	Local County	
Earth				
Unimproved	-	16.50	822.75	839.25
Improved	-	1.00	90.75	91.75
Surfaced				
Soil Surfaced	-	-	-	-
Shale	-	-	-	-
Gravel	15.9	-	-	15.9
Stone	-	85.50	26.50	112.0
Paved				
Bituminous	12.0	-	-	12.0
Concrete	65.4	-	-	65.4
Brick	-	-	-	-
County Total	93.3	103.0	940.00	1136.30

Source: Annual Report
Iowa Highway Commission, 1938



